

Physics Department Seminar

Friday April 30, 2010

11:00am in PhSc 108

“Fundamentals of Light-Tissue Interaction in Laser Therapies”

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Abstract:

This talk will present an overview of the fundamental physics involved when light interacts with matter. These fundamentals will then be applied to understand the three regimes of light's interaction with living tissue. In each regime the light-tissue interaction is qualitatively distinct. Emphasis will be given to the photothermal regime, with examples drawn from the oncology to cardiology.

